

INTERNATIONAL SEARCH REPORT

International Application No
PCT/DE 03/03272

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A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 F02M25/08 F02P5/15 F02D31/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 F02D F02M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 216 991 A (IIDA HISASHI ET AL) 8 June 1993 (1993-06-08) figures 7-12 column 8, line 3 -column 10, line 11 column 12, line 54 -column 13, line 5	1-8
X	US 5 299 544 A (KITAMOTO MASAKAZU ET AL) 5 April 1994 (1994-04-05) column 12, line 41 -column 13, line 43	1
X	US 5 850 820 A (KASHIWABARA SHIGETO ET AL) 22 December 1998 (1998-12-22) column 7, line 1 -column 10, line 38	1,2,6
A	DE 196 10 169 A (BOSCH GMBH ROBERT) 18 September 1997 (1997-09-18) abstract	1,2

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Date of the actual completion of the international search

27 February 2004

Date of mailing of the international search report

05/03/2004

Name and mailing address of the ISA

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Information on patent family members

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Patent document cited in search report		Publication date		Patent family member(s)		Publication date
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			JP	5187332 A		27-07-1993
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			US	5873350 A		23-02-1999